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## IN THE CLAIMS

Please cancel claims 6-15 without prejudice or disclaimer.

This listing of claims will replace all prior versions, and listings, of claims in the application.

## Listing of Claims:

Claim I (original) A method for processing packets of data comprising the steps of: receiving a packet of data:

storing a payload of said packet of data in a buffer;

reading a header of said packet of data to extract a value;

indexing in a table storing a list of transport control blocks using said value;

performing a lock operation on a transport control block in an indexed entry in said table:

performing a read operation on said transport control block;

transmitting a notification to an application to read said payload, wherein said notification comprises an address of said transport control block; and

transmitting said payload of said received packet of data to said application whereby said application does not perform a lock, read, write or unlock operation on said transport control block.

- Claim 2 (original) The method as recited in claim 1 further comprising the step of: receiving an invocation of a function call from said application upon said application receiving said notification to read said payload.
- Claim 3 (original) The method as recited in claim 1 further comprising the steps of: performing a write operation on said transport control block; performing an unlock operation on said transport control block; and transmitting an acknowledgment to a transmitting network device.
- Claim 4 (original) The method as recited in claim 3 further comprising the step of: transmitting an indication of a change in a size of said buffer to said transmitting network device.

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Claim 5 (original) The method as recited in claim 1 further comprising the step of: transmitting said received payload to a processor to be processed.

Claims 6-15 (cancelled)